

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/604,219 Filing Date: July 1, 2003 Inventor: Mamak, Walter J.; and

Scharp, Kerry D.

Title:

Multiple Antenna Configuration and Support Structure

TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Electronics Research, Inc. has recently acquired assignment rights to the above-identified patent application and respectfully submits the following for filing in the application:

- Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address (PTO/SB/82)
- Power of Attorney and Correspondence Address Indication Form (PTO/SB/81)
- Statement Under 37 CFR 3.73(b) (PTO/SB/96)
- Copy of Assignment from Andrew Corporation to Electronics Research, Inc.
- Copy of USPTO Notice of Recordation of Assignment Document with attached Recordation Form Cover Sheet

By:

Respectfully submitted,

Date: March 29, 2004

Eric R. Wandel

Registration No. 45,809

Electronics Research, Inc.

7777 Gardner Road Chandler, IN 47610

Telephone: (812) 925-6000 Facsimile: (812) 925-4030

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 29, 2004.

Eric R. Wandel

Registration No. 45,809

PTO/SB/82 (09-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

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Application Number	10/604,219
Filing Date	July 1, 2003
First Named Inventor	Mamak, Walter J.
Art Unit	
Examiner Name	
Attorney Docket Number	

I hereby revoke all previo	ous powers of attorney given in th	ne above-	identified applic	eation.
✓ A Power of Attorney	is submitted herewith.			
OR I hereby appoint the	practitioners associated with the Co	ustomer N	umber:	
Please change the color The address ass Customer Numb		e-identifie	d application to:	
Firm or Individual Name	Eric Wandel, P.E. Registered Patent Agent			
Address	Electronics Research, Inc.			
Address	7777 Gardner Road			
City	Chandler	State	IN	Zip ₄₇₆₁₀
Country	USA			
Telephone	(812) 925-6000	Fax	(812) 925-4030	
I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)				
	SIGNATURE of Applicant or	Assignee	of Record	
Name Todd H. Forbes,	CPA, CFO			
Signature 7 Au 7				
Date 3/24/2	2004	Telepho	(012) 020 000	
NOTE: Signatures of all the inventors signature is required, see below*.	or assignees of record of the entire interest or the	ir representativ	re(s) are required. Subm	nit multiple forms if more than one
	ns are submitted.			

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/81 (09-03)

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number	10/604,219
Filing Date	July 1, 2003
First Named Inventor	Mamak, Walter J.
Title	Multiple Antenna Configuration
Art Unit	
Examiner Name	
Attorney Docket Number	

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	Practitioners associated	with the Customer Number:					
C)R	Ĺ					
•	Practitioner(s) named be	elow:					
	· · · · · · · · · · · · · · · · · · ·	Name			Registratio	on Number	
	C. Richard Martin			37,080			
	Eric Wandel			45,809			
					.		
	our attorney(s) or agent(dentified above, a	and to tr	ransact all busines	ss in the United States Patent and	
	The address associat	e correspondence address for the ed with the above-mentioned Control of the contr		. ,	cation to:		,
The address associated with Customer Number:							
	OR Firm or						
V	Individual Name	Eric Wandel, P.E.					
	Address Electronics Research, Inc.						
	Address	7777 Gardner Road					
	City	Chandler		State	IN	Zip 47610	
	Country	USA					
	Telephone .	(812) 925-6000	<u></u>	Fax	(812) 925-4030		
Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)							
		SIGNATURE of	Applicant or Ass	signee (of Record		
Name	Todd H. Forbes, C	PA, CFO					
Signal	ure 7.1.7.	Tol-					
Date 3/24/2601 Teléphone (812) 925-6000							
	Signatures of all the inventor fmore than one signature is	rs or assignees of record of the entirequired, see below*.	re interest or their re	epresenta	ative(s) are required	. Submit multiple	
	*Total of	forms are submitted.					

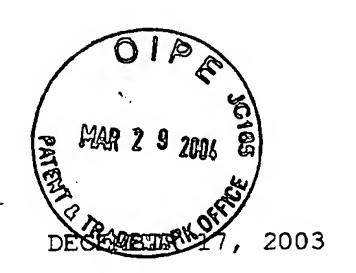
This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/96 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Condenses the Pagentian Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<u></u>	STATEMENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: Electronics Research	ch, Inc.
Application No./Patent No.: 10/604,219	Filed/Issue Date: July 1, 2003
Entitled: Multiple Antenna Configuration and	d Support Structure
Electronics Research, Inc.	, a <u>Corporation</u>
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is: 1. the assignee of the entire right, title,	and interest; or
2. an assignee of less than the entire ri The extent (by percentage) of its ow in the patent application/patent identified a	nership interest is ———— %
	of the patent application/patent identified above. The assignment was recorded emark Office at Reel, Frame, or for which a copy thereof is
OR	
below:	of the patent application/patent identified above, to the current assignee as shown
	D. Scharp To: Andrew Corporation
	in the United States Patent and Trademark Office at, or for which a copy thereof is attached.
2. From: Andrew Corporation	To: Electronics Research, Inc.
The document was recorded	in the United States Patent and Trademark Office at ne O179, or for which a copy thereof is attached.
3. From:	To: To the United States Patent and Trademark Office at
	in the United States Patent and Trademark Office at me, or for which a copy thereof is attached.
[] Additional documents in the c	chain of title are listed on a supplemental sheet.
	inal assignment document or a true copy of the original document) sion in accordance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied be	elow) is authorized to act on behalf of the assignee.
3/29/2004	Todd H. Forbes, CPA
Bate	Typed or printed name
812-925-6000	The H. The
Telephone number	Signature
	Chief Financial Officer
	Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





united states department of commerce Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



* 700057175A*

PTAS

WOODARD, EMHARDT, MORIARTY ET.AL. SCOTT J. STEVENS 111 MONUMENT CIRCLE, SUITE 3700 INDIANAPOLIS, IN 46204

> UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/17/2003

REEL/FRAME: 014201/0179

NUMBER OF PAGES: 7

ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). BRIEF:

ASSIGNOR:

ANDREW CORPORATION

DOC DATE: 11/21/2003

ASSIGNEE:

ELECTRONICS RESEARCH, INC. 7777 GARDNER ROAD

CHANDLER, INDIANA 47610

SERIAL NUMBER: 10303991

FILING DATE: 11/25/2002

ISSUE DATE:

SERIAL NUMBER: 10604219

FILING DATE:

ISSUE DATE:

PATENT NUMBER:

PATENT NUMBER:

FILING DATE: 04/04/2003

SERIAL NUMBER: 10249392 PATENT NUMBER:

ISSUE DATE:

014201/0179 PAGE 2

SERIAL NUMBER: 06595238
PATENT NUMBER: 4543548

SERIAL NUMBER: 06597480
PATENT NUMBER: 4564826

SERIAL NUMBER: 06733707
PATENT NUMBER: 4628538

SERIAL NUMBER: 06683004
PATENT NUMBER: 4654612

SERIAL NUMBER: 07178246
PATENT NUMBER: 4851857

SERIAL NUMBER: 07176631
PATENT NUMBER: 4907008

SERIAL NUMBER: 07517427
PATENT NUMBER: 5017938

SERIAL NUMBER: 07520890 PATENT NUMBER: 5021797

SERIAL NUMBER: 08344964
PATENT NUMBER: 5506591

SERIAL NUMBER: 09127145
PATENT NUMBER: 5999071

SERIAL NUMBER: 09692533
PATENT NUMBER: 6492959

FILING DATE: 04/02/1984 ISSUE DATE: 09/24/1985

FILING DATE: 04/06/1984 ISSUE DATE: 01/14/1986

FILING DATE: 05/13/1985 ISSUE DATE: 12/09/1986

FILING DATE: 12/18/1984 ISSUE DATE: 03/31/1987

FILING DATE: 04/06/1988 ISSUE DATE: 07/25/1989

FILING DATE: 04/01/1988 ISSUE DATE: 03/06/1990

FILING DATE: 05/01/1990 ISSUE DATE: 05/21/1991

FILING DATE: 05/09/1990 ISSUE DATE: 06/04/1991

FILING DATE: 11/25/1994 ISSUE DATE: 04/09/1996

FILING DATE: 07/31/1998
ISSUE DATE: 12/07/1999

FILING DATE: 10/19/2000 ISSUE DATE: 12/10/2002

JEFFREY OLSEN, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

12/17/2003 700057175

037058-000002.SJS \$302 700057175			
FORM PTO-1585 PADEMARK ORECORDATION F	ORM COVER SHEET U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office V V V		
To the Honorable Commissioner of Patents and Tradems	rks: Place record the attached original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(les)		
Andrew Corporation	Name Electronics Research, Inc.		
	Internal Address		
Additional name(s) of conveying party(les) attached? Yes	No Street Address 7777 Gardner Road		
3. Nature of conveyance:			
Assignment			
☐ Security Agreement ☐ Change of Name of	л		
Other	City Chandler State IN Zip 47610		
Execution Date: November 21, 2003	Additional name(s) & address(es) attached? Yes No		
4. Application number(s) or registration number(s):			
If this document is being filed together with a new application,	the execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)		
See Attached List	See Attached List		
Additional number(s	i) attached? 🖾 Yes 🔲 No		
 Name and address of party to whom correspondence concerning document should be mailed; 	6. Total number of applications and patents involved: 14		
Name Scott J. Stevens	7. Total fee (37 CFR 3.41) \$ 560.00		
Internal Address Woodard, Emhardt, Moriarty, McNett,			
& Henry LLP			
	Authorized to be charged to deposit account		
Street Address 111 Monument Circle			
Suite 3700	8. Deposit account number:		
City Indianapolis State IN ZIP 46204	23-3030		
	(Attach duplicate copy of this page if paying by deposit account)		
DO NOT U	SE THIS SPACE		
9. Statement and Signature. To the best of my knowledge	and belief, the foregoing information is true and correct and any		
attached copy is a true copy of the original document.	men		
Scott J. Stevens			
Name of Person Signing Signature December 17, 2003 Date			
Total number of pages including cover sheet, attachments, and document: 7			
The second of purpose of the second of the s	A SHOOL BEENINGHE, BIRD OUGUINGHE /		
I hereby certify that this correspondence is being fa (703) 306-5995;	celmile transmitted to the Commissioner for Patents at		
Date of Transmission: December 17, 2003	Date of Signature: December 17, 2003		
Name of Person Signing: Scott J. Stevens	Signature:		

03705R-000002.SJS.256302

4A Continued: Patent Applications

- 1. United States Patent Application No. 10/303,991 Fanton, filed November 25, 2002
- 2. United States Patent Application No. 10/604,219 Mamak et al., filed July 1, 2003
- 3. United States Patent Application No. 10/249,392 Fallon et al., filed April 4, 2003

4B Continued: Patent Registrations

- 1. United States Patent No. 4,543,548 Seal et al., issued September 24,1985
- 2. United States Patent No. 4,564,826 Wiesenfarth et al., issued January 14, 1986
- 3. United States Patent No. 4,628,538 Basa, issued December 9, 1986
- 4. United States Patent No. 4,654,612 Smith, issued March 31, 1987
- 5. United States Patent No. 4,851,857 Dienes, issued July 25, 1989
- 6. United States Patent No. 4,907,008 Dienes, issued March 6, 1990
- 7. United States Patent No. 5,017,938 Dienes, issued May 21, 1991
- 8. United States Patent No. 5,021,797 Dienes, issued June 4, 1991
- 9. United States Patent No. 5,506,591 Dienes, issued April 9, 1996
- 10. United States Patent No. 5,999,071 Ostertag, issued December 7, 1999
- 11. United States Patent No. 6,492,959 Heatherwick et al., issued December 10, 2002

037058-000002.SJS.256302 MAR 2 9 2004 8

RECORDATION FORM COVER SHEET Form PTO-1595 U.S. DEPARTMENT OF COMMERCE RADEMAR (Rev. 03/01) U.S. Patent and Trademark Office **PATENTS ONLY** OMB No. 0651-0027 (exp. 5/31/2002) Tab settings → → _→ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Andrew Corporation Electronics Research, Inc. Internal Address Additional name(s) of conveying party(ies) attached?

Yes

No 7777 Gardner Road Street Address 3. Nature of conveyance: Merger ☐ Security Agreement ☐ Change of Name of ☐ Other City Chandler State IN Zip 47610 **Execution Date:** November 21, 2003 Additional name(s) & address(es) attached?

Yes

No 4. Application number(s) or registration number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) See Attached List See Attached List Additional number(s) attached?

☐ Yes ☐ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Scott J. Stevens Name \$ 560.00 7. Total fee (37 CFR 3.41) Internal Address Woodard, Emhardt, Moriarty, McNett, ☐ Enclosed & Henry LLP Authorized to be charged to deposit account Street Address 111 Monument Circle 8. Deposit account number: **Suite 3700** 23-3030 Indianapolis IN ZIP 46204 State City (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and Signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy o the original document. Scott J. Stevens December 17, 2003 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: I hereby certify that this correspondence is being facsimile transmitted to the Commissioner for Patents at (703) 306-5995: Date of Date of December 17, 2003 December 17, 2003 Transmission: Signature: Name of Person Scott J. Stevens Signature: Signing:

4A Continued: Patent Applications

- 1. United States Patent Application No. 10/303,991 Fanton, filed November 25, 2002 -
- 2. United States Patent Application No. 10/604,219 Mamak et al., filed July 1, 2003
- 3. United States Patent Application No. 10/249,392 Fallon et al., filed April 4, 2003

4B Continued: Patent Registrations

- 1. United States Patent No. 4,543,548 Seal et al., issued September 24,1985
- 2. United States Patent No. 4,564,826 Wiesenfarth et al., issued January 14, 1986
- 3. United States Patent No. 4,628,538 Basa, issued December 9, 1986
- 4. United States Patent No. 4,654,612 Smith, issued March 31, 1987
- 5. United States Patent No. 4,851,857 Dienes, issued July 25, 1989
- 6. United States Patent No. 4,907,008 Dienes, issued March 6, 1990
- 7. United States Patent No. 5,017,938 Dienes, issued May 21, 1991 <
- 8. United States Patent No. 5,021,797 Dienes, issued June 4, 1991
- 9. United States Patent No. 5,506,591 Dienes, issued April 9, 1996
- 10. United States Patent No. 5,999,071 Ostertag, issued December 7, 1999
- 11. United States Patent No. 6,492,959 Heatherwick et al., issued December 10, 2002 /

MAR 2 9 2004 &

APPLICATION DATA SHEET

Electronic Version v14.0

Stylesheet Version v14.0

Title of Invention

Multiple Antenna Configuration and support structure

Application Type:

regular, utility

Correspondence address:

Customer Number:

31424

Inventors Information:

<u>Inventor 1:</u>

Applicant Authority Type:

Inventor

Citizenship:

US

Name prefix:

Mr.

Given Name:

Walter

Middle Name:

J.

Family Name:

P.E.

Name suffix:

Lansing

Mamak

City of Residence: State of Residence:

11

Country of Residence:

US

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State of Mailing Address:

IL

Postal Code of Mailing Address:

60438

Country of Mailing Address:

US

Phone:

Fax:

E-mail:

Inventor 2:

Applicant Authority Type:

Inventor

Citizenship:

US

Name prefix:

Mr.

Given Name:

Kerry

Middle Name: D. Family Name: Scharp **City of Residence:** Clifton State of Residence: IL **Country of Residence:** US **Address-1 of Mailing Address:** 2688 N. 1590 E. Road Address-2 of Mailing Address: Clifton **City of Mailing Address: State of Mailing Address:** IL **Postal Code of Mailing Address:** 60927 **Country of Mailing Address:** US Phone: Fax: E-mail: Attorney Information: practitioner(s) at Customer Number: 31424 as our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith. Publication Information: Suggested Figure for Publication - 1 Suggested Classification -Suggested Technology Center -Total Number of Drawing Sheets - 2 Assignee 1: **Organization Name: Andrew Corporation** Address-1 of Mailing Address: 10500 W. 153rd Street Address-2 of Mailing Address: City of Mailing Address: Orland Park **State of Mailing Address:** IL **Postal Code of Mailing Address:** 60462-3099 **Country of Mailing Address:** US Phone: Fax:

E-mail:

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT, dated as of this 21st day of November, 2003 is made by Andrew Corporation, a Delaware corporation ("Assignor") to Electronics Research, Inc., an Indiana corporation (the "Assignee").

BACKGROUND

Assignor and Assignee have entered into an Asset Purchase Agreement dated contemporaneously herewith, pursuant to which Assignor has agreed to assign certain assets to Assignee, including the patents and patent applications listed on the attached Schedule 1, in accordance with the terms and conditions set forth below:

NOW, THEREFORE, in consideration of the covenants and conditions contained herein, the parties hereby agree as follows:

TERMS AND CONDITIONS

For good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, Assignor does hereby sell, assign, transfer and convey to Assignee its entire right, title and interest in and to the patents and patent applications listed on the attached Schedule 1 ("Patents"), including all inventions and improvements claimed therein; all reissues, divisionals, continuations, renewals, and continuations-in-part of any of the foregoing; including all income, right, damages or payments now and hereafter due and/or payable with respect to the Patents, including without limitation damages or payments for infringement of the Patents, the royalty to use for infringements of the Patents, to be held and enjoyed by Assignee for Assignee's own use and enjoyment as fully and entirely as would have been held and enjoyed by Assignor if this assignment, transfer, conveyance and sale had not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to record Assignee as the owner of the true right, title and interest in and to the Patents. Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed and will not execute any agreement in conflict herewith.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

ASSIGNORS	ASSIGNEE
Andrew Corporation	Assignee: Electronics Research, Inc.
By: Title Vice Pres	By:
Subscribed and Sworn to before me this Zoliday of Joulnal , 2003.	Subscribed and Sworn to before me this day of, 2003.
Notary Public	Notary Public
My Commission Expires: Warchzo 2005	My Commission Expires:
JANIME L. BALLY Notary Public. State of Illinois 3	

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

ASSIGNORS	ASSIGNEE
Andrew Corporation	Assignee: Electronics Research, Inc.
By:	By: Manas B-Silleman Title: President
Subscribed and Sworn to before me this day of, 2003.	Subscribed and Sworn to before me this 21 day of, 2003.
Notary Public	Cindy D. Smos Notary Public
My Commission Expires:	My Commission Expires: 11-00-04

SCHEDULE 1

Patents

- 1. United States Patent No. 4,543,548, titled "Coaxial Transmission Line Having An Expandable and Contractible Bellows" by William W. Seal and Laddie A. Basa, issued September 24, 1985.
- 2. United States Patent No. 4,564,826, titled "Multiple Mitered Circular Waveguide Bend" by Hans J. Wiesenfarth and Geza Dienes, issued January 14, 1986.
- United States Patent No. 4,628,538, titled "Television Transmission System Using Overmoded Waveguide" by Laddie A. Basa, issued December 9, 1986.
- United States Patent No. 4,654,612, titled "Spring Hanger System for UHF Circular Waveguide Having Glide Ring and Clamping Ring Connected by Constant Force Springs" by Richard D. Smith, issued March 31, 1987.
- United States Patent No. 4,851,857, titled "High-Power, End-Fed, Non-Coaxial UHF-TV Broadcast Antenna" by Geza Dienes, issued July 25, 1989.
- United States Patent No. 4,907,008, titled "Antenna for Transmitting Circularly Polarized Television Signals" by Geza Dienes, issued March 6, 1990.
- 7. United States Patent No. 5,017,938, titled "UHF-TV Broadcast System Having Circular, Non-Coaxial Waveguide Transmission Line for Operation in the TE₁₁ Mode" by Geza Dienes, issued May 21, 1991.
- United States Patent No. 5,021,797, titled "Antenna for Transmitting Elliptically Polarized Television Signals" by Geza Dienes, issued June 4, 1991, expiring May 9, 2010.
- 9. United States Patent No. 5,506,591, titled "Television Broadcast Antenna for Broadcasting Elliptically Polarized Signals" by Geza Dienes, issued April 9, 1996.
- 10. United States Patent No. 5,999,071, titled "Apparatus for Reducing VSWR in Rigid Transmission Lines" by Edward L. Ostertag, issued December 7, 1999.
- United States Patent No. 6,492,959, titled "Stacked Array Antenna System" by Alan E. Heatherwick, Edward L. Ostertag, Myron D. Fanton, Kerry D. Scharp and Walter J. Mamk, issued December 10, 2002, expiring October 19, 2020.
- 12. Canadian Patent No. 2,323,861, titled "Stacked Array Antenna System" by Alan E. Heatherwick, Edward L. Ostertag, Myron D. Fanton, Kerry D. Scharp and Walter J. Mamak, issued April 15, 2003.

- United Kingdom Patent No. 2,355,592, titled "Stacked Array Antenna System" by Alan E. Heatherwick, Edward L. Ostertag, Myron D. Fanton, Kerry D. Scharp and Walter J. Mamak, issued July 9, 2003.
- United States Patent Appl. No. 10/303,991, titled "Method and Apparatus for Calibration of a Vector Network Analyzer" by Myron D. Fanton, filed November 25, 2002.
- United States Patent Appl. No. 10/604,219, titled "Multiple Antenna Configuration and Support Structure" by Walter J. Mamak and Kerry D. Scharp, filed July 1, 2003.
- United States Patent Appl. No. 10/249,392, titled "Variable Coupling Factor Directional Coupler" by Dan Fallon and Kerry Phelps, filed April 4, 2003.